

Amendments to the Abstract:

Please replace the Abstract with the following amended Abstract:

~~There is disclosed a~~ A process for producing an ammonium polythiomolybdate of the formula $(\text{NH}_4)_2\text{Mo}_3\text{S}_{13} \cdot n\text{H}_2\text{O}$ where n is 0, 1 or 2 ~~comprising reacting in which~~ an aqueous ammoniacal molybdate solution is reacted with hydrogen sulfide gas in a closed system at superatmospheric pressure until the H_2S is no longer absorbed by the solution, ~~said solution and said gas being in a closed system and the flow of said gas being regulated at an elevated pressure~~ to form a slurry consisting essentially of a solid essentially all of ~~which is~~ ammonium tetrathiomolybdate containing a portion of the starting molybdenum in a mother liquor containing the balance of the molybdenum and thereafter heat soaking the reaction product at elevated temperatures in the presence of elemental sulfur to form the desired product.